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THE

NATIONAL GEOGRAPHIC MAGAZINE

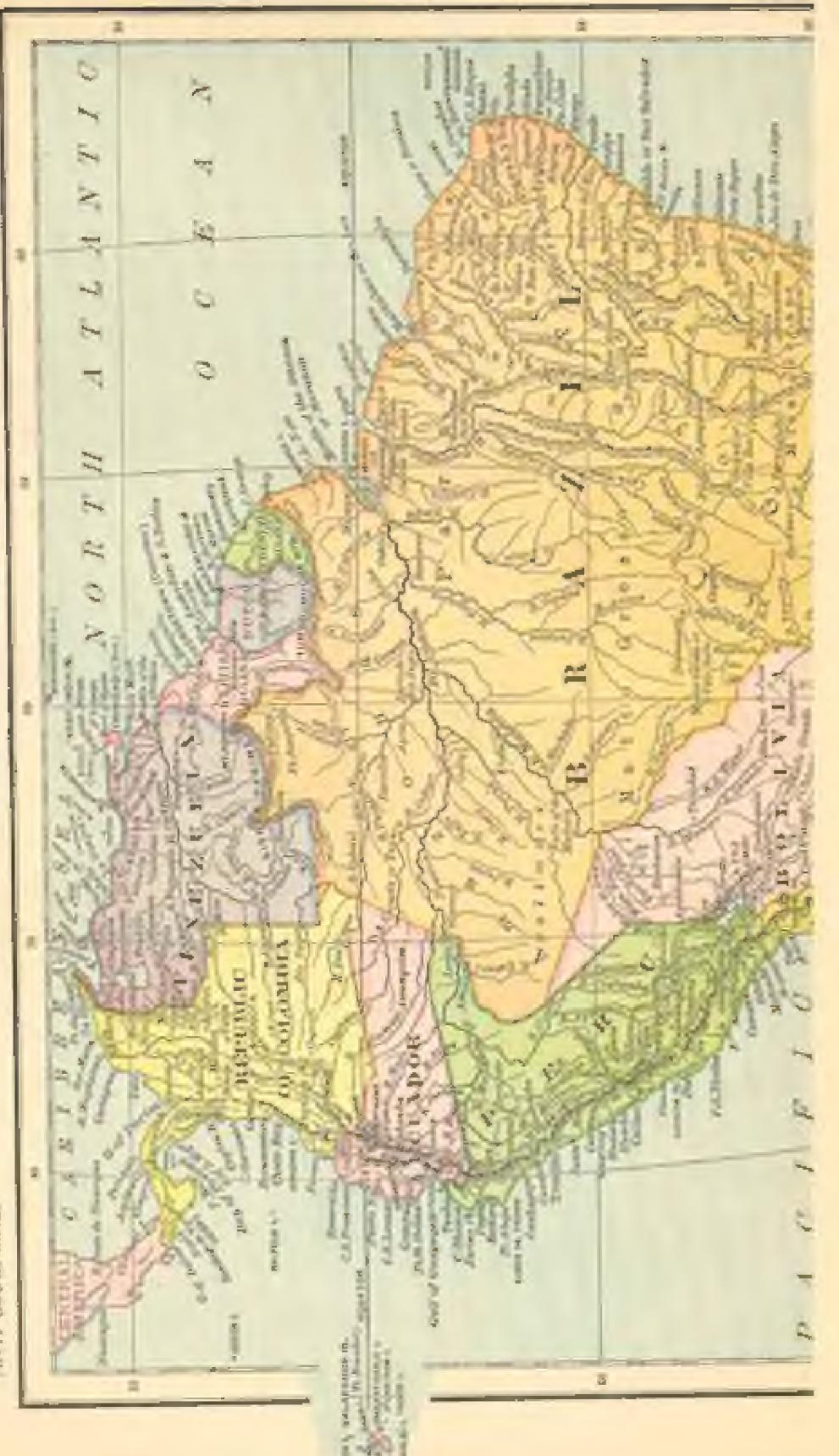
SOUTH AMERICA ANNUAL ADDRESS BY THE PRESIDENT GARDINER G. HUBBARD



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NATIONAL GEOGRAPHIC MAGAZINE

SOUTH AMERICA.

ANNUAL ADDITION BY THE PRESEDENT, GARDINER C HUEGARD

(Presented to the Sainty December 12, 1800.)

Two years ago I selected for my annual address Africa, or the Back Continent ; last year Asia, the Land of Mountains and Deserts; this year I have chosen South America, the Land of Rivers and Passyce.

The recent meeting of the Pan-American Congress has called attention to South America, a part of our confinent under repubhean forms of government and rich in products which we lack, while it relies mainly on other foreign countries for goods which we manufacture. North America and South America should be more closely united, for the one is the complement of the other.

The prominent features of South America are its long ranges of mountains-next to the Himalayas the highest in the world,its great valley, and its immense plateau extending from the Straits of Magellan to the Carlobean sea,

THE MOUNTAINS.

The Andes rise in the extreme south at Cape Horn run in a northerly course through Palagonia and southern Chili: thouce continuing in three nearly parallel ranges, the western chain called the Andes, the others known as the Cordillerus, through Pers, I-Ner. Gavo. Mac., vor. III, 1801.

Relivis and Resador to Colombia. The Condillers and the Andes are competed in several places by Lucis or cross-chains of mountains. In Colombia the Andre turn to the parthurest, reaching their lowest elevation at the Panama canal, and continue thence, through Central America and North America as the Rocky Mountains, to the Arctic ocean. Near the source of the Magda-less and Cauca rivers in Colombia, the castern range is deflected to the cast along the northern coast of South America. The control range disappears between the Magdalena and Cauca rivers.

The Amios form the water-shed of the continent. The waters on the western slope flow into the Pacific scena. The rivers that rise on the eastern slope, in northern Peru and Econdor, force their way through the Cordilleras and at their foot drain the moutana of Solivia, Peru and Brazil. In the southern part of Peru and upper Chili there is a broad sierra or plateau, at an elevation of from twelve to fourteen thousand feet. The streams that rise in this sierra either empty into salt or alkaline lakes or

sink into the ground.

Unlike all other long canges of mountains, the continental or enstorn dide of the Cordillerus is nearly as precipitous as that ortending to the Pacific. Craters of extinct volcanoes and volcanoes now in eraption are found in all parts of the chain. In Ecuador there are lifty two volcanoes, and twenty of these, covered with perpetual snew and presided over by Chimboram and Cotopaxi, rise out of a group of mountains uncircling the valley of Quito, and are all visible from a single point. Three are active and five others have been in cruption at one or more times since the conquest. One of these, Sangai, is the most active volcano on the giobe : it sends forth a constant drown of fire, water, and and ushes, and some assert that it has done so wellout intermission for 300 years; 257 explusions have been counted in one hour. This is also the land of carthquakee; in twee, 50,000 lives, we are told, were lost in one day; the tremor was folt over four countries and from the Amies to the Sandwich Islands. The tidal wave washed a gunboat of the United States on shore at Arica in lower Peru, 1000 miles to the south, and sixteen hours later the wave was felt across the Pacific at New Zenland.

A casego of mountains separates Eastern Venezuela and Garana from the valley of the Amazon. Other ranges south of the Amazon can southwestwardly, following the Atlantic coast line from Cape St. Roque to the Bio de la Plata.

RIVER SYSTEMS.

A great occasic current flows along the western coast of Africa to the equator, where it is deflected neroes the Atlantic occan and becomes the equatorial current. On reaching the coast of South America near Cape St. Roque, it is again deflected north and courts. Trada winds blowing over the equatorial current reach the coast at Brazil surcharged with vapor; as they follow up the valley of the America the vapors are partially condensed and frequent showers refresh the land; but when the clouds at the foothills of the Andes must the colder winds from the south and strike the snow amounts of the Cordiberas, all the moisture is condensed, and the min falls in tropical showers for half the year and waters the largest and richest valley in the world.

In this valley, among the Cordilleras, three great rivers—the Orinoco, the Amazon and La Plata—rise. The mountain ranges north and south of the Amazon divide this great eatley into three lesses valleys, down which the Orinoco, the Amazon and La Plata flow, watering three-fourths of South America.

The Oringeo.

The best waters of the Orienco rise in two ranges of moustains; the Cerdilleras in the west, and the mountains of Yens-nucla many hundred miles to the wast. Four hundred rebutaries, abounding in beautiful fulls and catagories, units to form this great river.

The whole valley for 1000 miles is filled with dense and tangled forests. Noble trees of norivalled beauty blossom in endless predigality. Early of gargeous plumage nestle is their lefty recesses. Tall forms, vines, ecceping plants and parasite form dense tangle of undergrowth, swarming with life. Myriads of insects in great variety, reptiles of strange and sugular form, feareds and renomous serpents find their homes and sustenance in the wild, dense mass of vegetation.

The Amozon,

The valley of the Amazon collects its waters from a region 1500 miles wide from north to south and 3500 miles long from the Andes to the Atlantic ocean. Even at the foot of the Andes the Amazon is a mighty river. The valley rapidly narrows to a width of 1000 or 700 miles, and then more gradually to the ocean,

where it is only 150 miles wide. Its total full from the foot-bills of the Andes to the Atlantic is very slight, not over three or four

hundred feet, and probably considerably less.

The rims of the valley are formed of diorite and sandstane, and are raised only a little above the flood-plain, which is formed of mild and silt, the deprites brought down by the Amazon and its terbataries. The flood-plain is from fifty to one bundred miles wide, gradually narrowing as it approaches the occasi. Through this vallet the Amazon cuts its any, separating often into channels which sometimes can parallel to each other for several handred indies, frequently forming large islands, or expanding into takes. Similar flood-plains are found on all its larger tributaries.

Up from the ocean into this valley an onmense tidal wave rolls, with a bore, twice a day, forcing back the current of the Ameson

see miles and innulating a pertion of the flood-plain.

In the early autumn the equatorial rise commoners in the headsenters of its tributaries, for south of the equator. The rain
and making snow raise the streams, and those the waters of the
Amazon. As the one crosses the equator and moves to the north
the min follows its course, and the branches that have their source
in the east and northeast add their flood to the waters of the
southerly branches. The flood in the Amazon is thus continued
for nearly six mouths, raising its scalers from no to 50 feet. The
channels are filled, and the flood-plains are overflowed. The whole
valley becomes a net-work of navigable waters, with islands and
channels and lakes innomerable, forming a great inland sea, which
the Brazilians call the Mechterraneau of America. The upland,
shough only a little above the flood-plain, is excell overflowed.

The plants and animals of the flood-plain were formerly considered as distinct from those of the upland as are the plants and animals of Europe from those of America; but later investigations show that there is but little difference between the species.

Then for 1500 miles the atmosphere is stagmant and sultry; the climate is that of a permanent vapor bath. The dense foliage forms dark, lofty wants which the sonlight never penetrates, and over all bangs a perpetual mist. The abundance and beauty of vegetation increases, and the trees which at the mouth of the river blossom only once a year, here bloom and bear fruit all the year round.

Many great rivers run into the Amazon from the north and the south, most of them navigable, for many bundred railes. The Madeira, its greatest tributary, after running 2000 miles, empty into the king of rivers, without making any perceptible difference in its width or depth.

This mighty current, rushing into the ocean, meets the equistorial current and for over one hundred miles keeps on nearly a traight course, when the stronger and mightier oceanic current deflects it to the north. At from you to soo miles from land, the sea is strongly tinged, and in April and May has nearly the clargellow hus of the Annaton. And even further north, about 400 miles from its mouth, the naturalist on the Annaton tells us, "we passed numerous patches of floating grass uningled with tree trunks and withered foliage; among these I espeed many fruits of the Annatonian paint. And this was the last I saw of the Amazon."

The Rio de la Plate.

The La Plata, the outlet of the waters of central South America, is formed by the union of the Uraguay and Parana, about the miles from the ocean; a finile lower down, at Montevideo, it is 62 miles wide and widers rapidly to the Atlantic, where it discharges more water than all the rivers of Europe, The tributaries of the Parana are fan-susped. Its most custers beanches rise in the mountains of Brazil, within seventy miles of the Atlantic ocean; and 1500 miles away, on the other side of the continent, its most western tributaries rise only 125 miles from the Pacific.

Steamers ascend the Parama, Paraguay and Cayaba, 2100 miles to Cayaba, and the river with its humelies is mavigable for 5000 miles.

The Son From inco.

The San Francisco, about 1800 miles long, rises near Rio de Janeiro and flows north about 1200 miles between parallel ranges of mountains, then turns east and forces its way through the coast range to the Atlantic ocean. It runs through the gold and diamond regions of Brazil, and has a considerable population along its banks. It has many falls and rapids, and considerable slack water navigation.

GENERAL DESCRIPTION.

In Asia, the sufferent countries have natural boundaries ; the people, soil and climate of one construirs unlike those of princes. to Europe there are few untural boundaries, though different ruces inhabit the several states.

Is Should America unly one dominant race is found, and though material boundaries exist, yet they do not serve as boundaries to the different states, other than Venezuela and Guiana. ruch and Gumun are watered by the Orinoco and by several givers that flow from the American mountains to the occurs. The whole roust is low and fertile, but hor and unhealthy. The principal product is sugar, raised by negroes and coolies. The interior is sultry and thickly wooded; it is inhabited by Indian tribes, the principal of which are the canadhal Cartha, and by negroes as uncivilized as any of the tribes in Africa. Guiana is controlled by the English, French, and Dutch. Cayence, the prison for French convicts, is the capital of French Guian.

Colombia and Ecuador occupy the northwestern part of South America. They are situated on both sides of the Andes, and have every unriety of climate. The country is well watered; fertile but unhealthy on the coast, fertile and healthy on the

elerated plains, cold and barren on the mountains.

In Brazil, basides the Amazon, La Plata and San Francisco, there are several large rivers with fertile valleys; but occasional draughts, sometimes lasting for two years, will prevent portions of Brazil from becoming densely inhabited.

On the Pacific roast south of Eccador, the rainfull becomes less and less. For three thousand miles along the coast of Peru and Chili there is no onisical barbor; a plain from ten to fifty miles in width extends from the Pacific to the foot-hills of the Andes. The Antarctic current runs along this coast; the southensterly winds blow over it on to the land and cool the sir; has as the winds are of low temperature their scanty vapor is discipated by the heat radiated from the land, and not a drop of rain refreshes the thirsty soil. Many mountain torrents run from the snow-clad summits of the Andes, and the beauty of their narrow valleys forms a grateful contrast to the dry and barren counts of the plain.

In the southern part of Chili and in that part formerly called

Patagonia, rate is abundant and the country is fertile.

The langues atreach of low and comparatively level land to be

Kould in the world extends through the center of Sorth Anatom. A host etertiage from the Cartisbana sea could sail up the Ora oco ever a through i miles, then down the Lacquists, which runs from the Orlineo into the his Negro, down that river to the Amazon, and a known to the Discours, then up that river and one of its branches through Brazil and his own, and with a short pertage of six and a fail noise to one of or branches

The least land grower the La Plata and continues so the water trough the Argentine R puller and Putagonia to the Structs of Magellan. Will a this place he after a sterior of Venezuele

Argenting Republic. The pairpas resemble of prairies, but not from north to south, while the prairies from east to west

The streams in the plant mouth of the tracey of the La Plata recently A. levar I flow continuational and to the Arms to

THE ABOUNTS E-

The abretopens of America, except the Esquirition, are unlike the particle of other not the not tanked difference by their latgrands. They are divided by a not derived tribes difference from each other in man respects, yet with ma view, each upon proposit, put with ma view,

In worth known a there are no re be than one lamined details to recommend an improve and two the most of a cut a character and five or sex a local laminer to be a monotonic for any laws as many our sets as are found among the a monotonic

there, being of a ingher type II as the anglistantive in gatarato the polysymbotic tone or the substantive, adjective and vert

con presed in a single word

The cut were in the yalleys of the Orinoco and Anaton are forced to correcte a citie ground of the flood-plane, he the forcests are thick and imperiors so. They are principally of the palm (of which there are five line, red varieties, coron and because, fishers a traces. They are me to rouse or paths through the forcets expect the numerous characts of the cases, called the forcets expect the numerous characts of the cases, called the parapas are principles a ground and an interest of the parapas are principles a ground and an interest of the parapas are principles as a ground and an interest of the parapas are principles as a ground and an interest of the parapas are principles as a ground and an interest of the parapas are principles.

If and each tells got in the new gutor on the Ornices seed with

the terrois of these trees are suspented the habitations of a trine of Indianes, who make their free on mate hing in the act at a flod we is most cary. The same pulm tree farms we also

even the luxures of life

The Indian two as a whole in behaved to be superior to solve the negro and the Many, as norther of those ruces has ever attributed to the circulation of the focas of Peru or of the Indians of Slevico and the Axions of Central America. Many of their

part of the country, but also to or or tribes in distant parts of the continent, and even to the regrees of Africa, and the Autosuf upper Egrap. At the tribes on the out of it leave substitute that y the same balance of life, the same methods of whether, the same general elements in the most arms y on the many plant.

from those observations t might seem that the in-lain tribes

t it on further so solventain the supremy seems A nemillar to a like stong of each seven and had to have try of race

TOR INCAS OF PERC

In Prosence from Arogopa on Pera to La Pas to Releval Or read assertate the Aroles, makes a slight descent. to be burrete.

Frozen, and to a descende to La Paz. Lake Lancsen, the largest lake of South America, is a a plateau between twelve and thirtness thousand feet in largest, too must esexuted table had on the globe, excepting Tarbet. To a lake is narrounded by h fry, answerled mountains, the highest of which is Lamid, 22,30 theet in anight.

of South Amer, a. A yelopour rains of troup or and fortress a stand as perpetus into a mants of a valuable leading, when and by whom they were creeted, we know not; their landers left no other record of their existence. The was being Indians of the first Spannache that they as steed before the sun shows in the Leavence. From one of the rocky sounds of Lake Tatorica, about the year tond or 1100, the Soun, parent of mankind a digiter of every good god, taking conspansion on the degraced condition of

Uello linnen, to galler the wan letting to ben in a communities, to teach thought a galler the wan letting to ben in a communities, to teach thought a galler land. Titienen, this I rother and a stee, Lashand a land of the S man become Manco Capac was their the first form. There were ten or twelve linear before the conquest of Ferm. Their part over fact by private tensor, with a paper attorn of many times a, here so subject to their communities.

The territory of the Inche extension from the southern part of Chili porthward into Commitm, beyond Quite, a distance of two thousand rates, at I west to the Pacific Germ. On the eastern slope of the Committees, toward the great plant of the America, the local met a stronger at I in the savings people, with whom they were in constant warines. In the several passes of the Cordi level toy constants of fatchestions to protect their actions and prevent invasion.

The encetal of the territory, k mee, was examined in a beautatal analytes to escape for above the sea. An obstitio Analytes are identified to element show, out within the tropics. There the fugas aved to dwell, and remains of immense factures, palaces and temples, testify to their power and eclinics, and to the moreher of their subjects. The northernormals of indoorers pract have been recurrent to construct each a libror. When we reflect that these people and to begans if burden on sight the factor, which could only carrying the hade, and no mechanical means for transporting the east checks of stone used in or a part of these had lings, we are

are not more wonderf d

commenting different parts of the horner. One followed the value between the Unit brus and Ances to Quite, narrate exceed the Andrea and followed the senseons north and scuth to a catronic another filter country. An instelling was on four large up I comfortable this one, or host, were exerted every few ones, and argue ones at the cold of a day's journey were statemed at regular intervals, each of whom bud his allowed at a horse of a large his duly to recent at a

all the second

^{2- 5} gr. terrors, Man, w. st., 147, 1-67.

on it station has agreed to the print characters as the courses were called, to be ready to carry forward the message. In this way, it is easily that the less a date were made.

These commentenced range quicks than the mall-carriers of

so far house then they are tooley. Many of these old tanches each I has removed. The movement require epoch the regit was two feet in length, with rooms forming three served a court.

The so city of the linear had every variety of stin as, and the products were those of every part of the move world. On he could perject on a monoch receive, with all the variety and beauty of troppeds to retain. At a higher chreation, the trees are always greety and whose one kind shows its blossones and ripens

of the top of the mountains a morning whitek. In some places, wat Por so, the classes of ten persons are five penture are five penture of next and cold are experienced in a single day. The weather of the early is roung to frosty; in the foreness, which as a burny in the after some on, secretary as I in the eyes against and effections.

the she find the slope of the Amores, recommons were constitution, from which congains greaters with red the whole plant how lying feedate and burrets

The concepted testing were incorporated into the fact in it. I became the people of the lucio. If the computed take was drong and warlake, a me of the non-berg were removed to contait parts of the country and were replaced by the inhabitants of those regulars, a whom provideges and immediately were given as comparaution for the charge of home. The conquered tribus quarkly repliced the bone's a of the rate of the lucion and became faultful and loyal subjects.

The government of the local was a paternal despot on centrolling the most namete affairs of carly life. As evioder, the local taught, "was not unended for the people, but for those of government about to it work people, but for those of government about to it works report pursues of now degree to 1 arrogs. t."

The I can established a communical system similar to that of Russian Operated of the man becomed to the local one third to the priests of the Sun, and the remainder to the people, who were required to contribute the land of the Local and of the priests, as well as there own. The land was invided an one of priests, as well as there own. The land was invided an one of planting yearly, according to their number. I very nearly

married etc.) e terestad a states portion was his was ancreased as the functor increased

These of ly making of writing was by a cord, called qui, passabort two feet using, commend of threads of different colors (works) to gether, from which a quality of smaller threads by up has a knotted frence. The colors denoted sees the objects of

was for neithburdied purposes.

I were constant of he linear appears to have seen a thickness condep that a strot two Mexicons. It is not probable that theregly place were at one among any of the South Austicas Indians, the ghalf is said that traces of a partorial aphabet sover some four t. The seeds were contented at 1 mappy, at sough they were deprived of personal pharts, although their daily his was a serviced by their rulers, and a though they let to a common oil rights of property. They had nonther ambition for strong lava of country.

When Piperso har list. Poss there were two losses, one at a meet and the other at Quito, and the butter seet that were negligible to one masses the composit of horizoness. Puraryo

enshared the people. The obscut limits of the Quantum, or the apple of the land, stal salment the anti-more much or the service and defends race. It is said that after the compact to consider put of a linck mantle, which they have won ever since, perpetual contains for the last of the faces.

There are a like descendance of Spacings in Pera, but the pro-more consists consists of the descendants of the Quicouss and moved open arels at I to chance. The Pera a soft to lay are I so river and their those was lived too years ago; they may less assets and are proper

DESCRIPTION NOT THE AMARON

Limit rivers have because been discovered and explaned by ascending them from the ocean to the monroes, the Unign and the American scene experies, downward from their a street to be

Three hundress and fifty years ago to zare Pearre, then governor of Up or Pers, seared of a and of alver and gole,

tropount fronts observation. He de eromed to fearer the bush

to explore the country and fluid are happy land. He set out to first part of the route was easy; the fattle stream toma became a river, that broadened into the Napa; but the factor a land a land a land and a land a land

island by death and by descrion of the mayor.

The part ces told them of a greater river than the Sapo which they was if find a few days' copage farther down. This river, where I not was almodant and go it was found to every stream. Plearer as terminal to 1 bit a back and to much trealman accommander to find and return with found and a near that has were converted into our a distribution and a near that the games to of the so distribute game was used for patch, and the games to of the so distribute a substitute for ankant. In that ever flusted on the waters of the America. The Napo greet

they saw before them a river, many times larger than the Napa, which the Indians can all Parama though, King of Ware and rail the Amazon. There was excellenteen, latter hast could be was to be some? Behard them was the wilderness, before them to a promised for f. The jump to back would be a ficult and Inagerous; the temptation to explore the womanian river was recorded of the explorers dely increased as other rivers anger.

The wender of the explorers dely increased as other rivers anger.

frequently on the couth. Mont a after month passed, the over

much them harger along any river they had ever seen. Since Owener. Then they suited north in their little limit, skirting the comes to Translat, where they four \$ a venera which have then to Spain. They remeated the ecory of the great river; the worsterful evantry three wh which they passed; and the rich races of which they had nearly. They told fabrious tales or the Americana trey had encountered, strong and nuscuane we men, armed with borns not acrows, bying by thenselves. is located is men to so their country only one morth of the 5

to I so his amazons and warriers.

Opeliano was received by the Queen; his trep bery was for gotten and a very expection was webland to be his command. but for a nel before reaching the river

the Amount on Oreshous has about mays. They leaked as visu for these community, but found only the solution man who Lad been left to only sensely shoe, and from him learned of Ordino's deserts a. Fartor explorations leng no osable,

their horses gone, their arms broken or rester, the skins of his animals their only of targe . The example house seemed to here given up its soud, as they gloses mountd one a troup of squarement." Fight of the Indiana had penders, and of the there has deed and fifty excusions only eighty were aft.

Such was the mot of an expedition which for dangers and

bly mina shed in the munds of American descovery.

to TASA

It was acquired for Great Brotain by one who the Laten time. property and the second with wasch his own mantry was at present

Gonzalo Pizarro, on his parmey down the Napo in 1809, heard And the second s we critte to the to

with gends of a practo of Guineau whose body, first smooted with theperates, was the approximate golder status. Adventure stated in someth of this Ed Dorado, same from Peru, is over from Quite and from Temphali; but the general effects was never found. There, however, brong it back reports of chiefs whose bod in

slanging from the r breasts and great pears to a tour tour earn,

longed to exchange these p wels for pers harps.

to he quote the fabulous riches, for no believed that the sever and gold manes of Mexico a no Peru had made Spain the first

outs compacts on Landau-gazetic and the rather $^{\prime\prime\prime}$

In 1895, Sir Waster en sed from England and arrived at the lide of Trivialish, where he averthrow the Springers at their scholar up the Oranges, or one of its branches, fonce but lead in sless, in the gar and acknows composed has to return, Anthony he deting read the golden rate, he could see the reconstance for in the distance of the he so series is recanded it, and he found the superties and on the branch of the December. In term is he mised the

More L.

order to make a second voyage in search of this ha Di mile for King James. He sailed in 1617, accompanies, by his eldest in not disaster and in kness met been at every step. He resolved to the rose against ton feel to to land. So to seen and Captain heyedle we'll restead. Insymmeterized a ter a month of explainment, bringing Baleigh the news of the death of his one in an at ack on a spanish towar. He brought equate of the go den city,

I amonds not constalls to estima the tests of these reports. Halong's some, "I am amone;" keymas replied, "I know then, S.r. what comes to take." He went to be estimated kindle amond.

Rangelt reparted to England, a beden down of I man. The

to the second se

Pharbert had refused, but duries yudded. Baleiga was recented, but the man became an Pog. sh cobjet

The g 1 cand attent names of Form Lave famed; little gold line been four d to tempon, but its rich and fecture soil, watered by trapped mans, has been a market of greater went a transtangual name of Porn.

Primareness of Society America

4. Le por true of % of a true a were a factiled at about the same tone and back one and back passed through a oke estory, they can be considered as a white

The United States and Conside, with a rough, unconsidered by the Anglo-Saxons, the to-remained of the western continent by the Latin race and, excepting broad and throma, by Spanishes. In Nevla America the

res. The Lara race constanted Central America and South

statute but a 1 minute over a scarcely populated country. Their outliers were mer of unbounded purious, capacions, of great endomene, but cruel and use empelous. They as ught a sentiure, expecting it we not being them godd and sever. For this cut they plandered, becaused and conserves too instance. Godd and other flowers into their bands a taxore, effectiones, on I wonkness for red

The Some hards in America have moreover retained the civitatition they brought from the out word. They have intermitteen with the first and and take duried then haved to take the value of each of theorem cosmos wet rout the virtues of entire.

I die t it t twenty r deg in digits along the court of South An eries, from the Buy of Pannum to the Carllesean sea. As the eries and sent mants, over strag a few to the Argentine Hepublic, are tour the coast

Back of this some, on the Pacific, is a named Spacesh Indian

d.

Negro, and Negro Inhao, escapes a sone from twisting to one has and foreschere are found at the gold and saver moves, on the pamper, at the cartle ranches, and on a few hacterlas in that Germans takes coffer and sugar, and or ersee the diamond and go a fields. On the Ampson there are a few south settlements to enfect the India solder and excess of that ye ley.

Save these spaces settlements, the interior of South America is selected by will terbes of Inc. and, wherein sed save for the piece of a few Catholic priests, who have given the I was a documents and the image of the Yarger Mary, which taky worship

terreser as. The natives are to seved to se more reason of new any traced their when the Spannards discovered America.

The Spin made are the emisters of the country; the proud to

Indians, retaining an economic is with the built breeds ad point out provide. When the research appointed by Sym 1 were expressed.

Int ther were repulsives only as no ne; the people were replied educated nor fitted for self-government. There prouds to govern ally exercised the powers of distators and often assumed that time. They have rarely enjoyed it a negroes, for tour power and make a were singlet by others. Howevertion in taken nonlitressing passed from the sense to the others a stage.

Treeent traveller of Peru, who widest to impact its in losse over a formed that on a 26 m, or were a rannois order. The remainder home inteller the control of the revolutionals was been then been than 80 miles from the capital. He asked was be rebelled boot take form, the capital, and was table, "because here is no ununimary arong them; they are suglested of other, and cannot depend upon any one main." Instead of being anatoms to seeve their country they are only in created a rolling here.

autons, says they mountains assured three times in as many

 Law loose for tan it dee in car the

the political content that we need on other permanent continued with the content, and with I then take an accion a trace. It postures at I normalized the posture the posture I normalized the posture of the posture of

Commercial and banking business is in the limits of the French, terroine, and English. The La new carry or a man traine at corner greecies and fruit stores; the freq h keep the cortels and restaurants; the English and formatic and the ship pers, mere dates and bankers.

Regard has it has an I reach, and themse steamers rus from h crops to Panama and thomes along the western coast of south America, stopping at parts on bouter; some arturn by Panama, others sall around those flore to have pelly baset a Ayres as I has Janearo. Other bases can direct from havepe to Arasil, and twenty four times connect harope at a the Arge's melegia as; wall there are noty form mes of American steamers are long to been a position of American steamers are long to been a bouter American

We have given a general beautition of South America, but three countries—Brazil, the Argentine Republic and Peru require facther interes; limit, because it is the largest country occupying tarees went in of South America, and the only conferable state that was not setued by the S, an ards, the Aegen one Reput ic, because it is the largest and mass populate of the

I physica through which is the opening reput has have pursel.

The valley of the Annaon makes it and the most fermio regree of the works. The tropies words are established the creeps read to the tree above and the waters below

the year Amazonian waters. They and the railey is the montain district, where the and it is in the the the catality sent the point for exception, attained and translational, and spent formaliant and where both amends and regardly after the complete abundant.

B-NAT COOK MAG. VOLUME, 1801

mentalia. As in Africa, so have, men who five in the durk terest, to as too open. Mr Studies selected to only density from the

grashed and dead before the coast was reasoned

Northeast of the pumpes, on the Athan, a coast, sorth of the Amazon, is a previous bom led on the south by a range of high mountains, where rath is a set last; at Maranaso, its scaport, force are 250 too less of builded in the year. South of Maranaso there as mach been in a set I is stead of two sources, the wet and the dry, which proved in the valley of the Amazon, there are the terms easily which proved in the valley of the Amazon, there are the terms easily which proved in the valley of the Amazon, there are the

anchor of Brue and prosperity, we self the sales 40 per cert, of an the coffee grown in the work. The plant is not that general to Brues, but was brought tomes and it may brooked yours ago from the old world.

Spaced, note after by the Performer, with an interperal government, but now excess from the matrix Base health to the tree becomes and have been penerally somewhat. It had a promision in 1868 of 11,000,600; two treeds of whom were Indians as I negrous and many of the representations were slaves. Sharery existed bages in fractition in any other carb soil country, the last masses morely med on the plantation, and were of the est tree early in the metric grantal last at each actual roles, when a law was speed from year and a figure 1, the, not carries of with a passed by he planters, who must becomes would not to any the most fitter, who must becomes would not to any the world later and the country and a pro-

The Principles and Brux lands are more peaceable and orderly han the Spacialist or Specialist mercaning we may therefore reasonably have that Brush will not repeat the history of the Spanish read to a so would now been one of considering for break reporties have reported into two or more States. The greatest difficulty in maintaining its is means found a will arrest treat the more about the desired and the constants of the country. I can discuss an amount of Mat a Greeke in 140 cared points of the causing the analog matter the discussion is 140 cared points as he as a part, and by water the discussion is 140 cared points as he as a part, and by water the discussions.

aranches. Astonich the cole try has the voice and pavientle of the cole of the

Lames of steamers have been a benezie, by the Brazilian the boundary and of Pena; there connecting with it we exhain up the rivor. Those vessels energy supplies to the settlers had bring back to im research Brazil-inite, enemo, quin no, his i the sea tiful women of the forest

Yet steamers are rately seen on the Amazon; they have fore the hazarast presented was because it is a lay, then the Amazon in a year

The Analysis a Resource

The met my of South American republies to Businessed in the Argentine republic.

Andre, and from bed we with a southeasterly transfer and to make

The consists of the northern party a setting ion of the central part, semistrapiant; of the centre conta, temperate or coldinate by the care of war watered excepts g a the north

response of N rib America. The soil is a rich, every local from four to six feet in depth, excepting an Phragician and the western pumper, where there is a course gravel and direct a from the Action to find a longer tropical forces, of the American tubors, the pumper are revoted by a course grass, three or four feet high, growing in large trassicus and all the year result of a turk grace. The string grave crowds not at tree and amost not planes, so that ecurely a flower relieves the surfaces, everlasting words.

Lawrence of the articipal pointers of the Articipal there is the race of American particle, "whip of the will or ess," adapted to the

compass, but truthle to dive as the forces. The genebox large souted it for the last three certuries, but it is now passing away and will some no lost to the parapos, as the hoffme has been to be North American practic

then are process, for the grass is always green and the wasters are nolder. Lattle, Lorses, and sheep an action by the equations

heids feed on too plants

humang the service and eat its. The ga ate are tended by gancine, as the constant worfare exists between the 1-1 are and the gancine, unless they units to attack the eattless. After one of

were to the Arches and drove the Indians to the farther side, and since then there have been fower mids—and fewer Indians.

The bind was head in large blocks of comy thorough seems, worked by oversees and gaaches. The animals were knowledge backgode of thousands for thorough kind. This store of there is however, grad any passing stray, for during the ant twenty years congrues from the collword have setted to the country as formers and plantage.

The footteen proximes which form the Argentine Republic have never been welded into one nation, and have so tem bemoracat's period. The gaustice have been a contitued scourge, one the gaus to generals as to ere and harriers combined. Furtura-

another. Third promise to, or decators, have reigned within fifty years. At one time five provinces had each as a mate dictator. The neighboring republic of Limitary, formedy a part of the years from 1864 to 1862.

For some time becomes Ayres and its dictator rated the repulsaction too country provinces relicited, and covil war onsued,

Money was required to pur the army and the rest of cital to fore an wars. Every dictator back has fraudy for whom previous to much be made. Large decreased created; banks were the tend; tempt, but not of paper money were use et. There were several different currenting a ediance; each province stress to outdo the others in the issue of a currenty while quickly desprimined. Compaties for inflerent purposes were organized, and that y were subspicted, directly or indirectly. We are teld that in one case \$1,500,000 was paid for a concession, and that "Turkish officials, who have botherto being the champion sensits to

catonet of pasture at thebata."

Racronne were but t running from Russian Ayres to afferent directions, as each proximer derinaded a rational, with atthe regard to six jupinstans or business.

A road was contacted to cross the Andes and open nomine to ention between the At and a part Phesic over it was as which and in very beam arossed by a correspond any kind

The country was not settled so rapidly no too rulers alsoned bullioned outs were therefore offs red to management. The passage money from Europe and the expenses of the management to his

country luring the last twelve years, and the proportionate increase

the leatest States bireaung fands have been sold at nominal percents on a grants, or leased for terms of years in a to of 0,000 across at a restail of \$ 00 a year. Bot de were usued in tody? The government but by the provinces, y the factor is no across and

limb, the sweet of real estate on depositing his title due is with the hypothecary tanks and having a variation of his resemble, recovered column, or bonds of the bank, for one-half stappianced tame, these column for large amounts were resued

was increased 120 per cent, at I it is now said to be over one interest of two-thirds of this prior to payable in gold at a premium of 200 per cent

In 1888 there was no more to meet the interest and general prestration ensued.

greater in proportion to an population and wealth their is as of the second second bankrupter.

Repair to in the supercest the debt by moderney and bankrupter.

Pend

A stem of last with 1200 mass of sea coast, without a natural plan un, and at 1 specifier range of memorana-tim is firm.

In the work, where the rate is ver forb, are numerous stimacivers, to-day mountain tomests, to-autross dry, rocky by by

Between the lofty ranges of store montaining is the lag est plateau in the world, after Thibet. The combining part of this plateau is dry and decidate, the northern portion is well watered, with bounteful arreness running now hirotich deep cafenes and then through rick, fortile valle ve steady descenting toward the northeast the valleys groung ever broader, warmer and married dightful, and I too markata is more edightful, the land of the stronges have become revers.

The western steps of the mountains is stry and harron, so that one betath and possible on any imported from bounder on the east, or if no lower to a far to the south. That no other country the contributed so in eleta the we bill fertility; for here are to smoot disposite of grain and pitty is, more the aton than take of your many a fare. Those represents the see if a recent to the tests a net top a recent set of it is an another.

The feature slope, red and for ar, producing every tree and the ext, ad fraction I vegetables grown in any part of the worsh; on the monitories inspected gold and as ver, platform and monthly, request and the head and then, cost and petroleum, arrest a part mod to be head and then, cost and petroleum, arrest a part mod a factor is because in the model of actors a state of the factors.

In land of the temperate down to the occur, term of not have of them becomes for the description for the second of the entire to the description of these reaches by the government, the atmost by private parties.

For sales of grand and the promotion of gold and silver made form a proad and wealth's nature. Inverse represent

part of accegania decree to blo was analye to supplie a principal n operation, in a h less to extend them, or to pay the interest I to a bacomptey followed defeat. At last as er familien years of difand sod as years of negotiation, are c track was exactly led with Per. by Mr. M. P. Grace, of New York, in January, 1820, on being food the bond of these. The bondbut ors became convessionaires, and in corack rail in of the release M the bon led Jook with to them by Peru, receive wasta deconvestments, of morest, of mines, of the could not and and of gunno. These consessions include among other if inge a governepoint a handy of \$4000, and a year, wearrest from the enspoins of Cathagrather is a sea of there ide Passon, which have viscously a yearly. average of \$2,000,000 for over one londered years; the entry Padway system (760) am some lengthe of the state, a grant of My On Orac Resident Residence consists and the Laure 1 to every grant total to. Agrant of 4,540,000 serve for the extension of the Centra or Orona ratherms, to the protegorale waters of the Uengala, one of To time to their even of the Armanon; the east, with events of the greater the provide provided by the provided provided the provided by the prov my expect to wan at least educed for a moveur, which was not \$1,000 mm to The expressions pay in their part agree to be inlate. as the current to be to report the su groups, so I cope it it that times

win mon, map, and to new mercember of open higher actors, or sealso all t

The purhaps the rest moneysold settement ever understreen a la arrapa had a and the creditor, a due large y to Mr screen, and man a fact to dive so the resources of Penaland setters har carried of prospects.

DESIGN RE ANDRES WITH THE PARTIES.

It propers from the five going states must at a little carrying ratio to it his cury booth America, by water, we by for an atomicre; that only form of here are A serious hines; that the twenty is a world and common, by Englishmon, that has annexes and consider to one hegashmon on the factorists.

many of the mases, earth tracenes, coffee parts and the largest consumer of botth American products is the l'inted States.

to South America.

The Inglish steamers, so the usual course of trade, load with

prints offer with a time event in the same weeks a trackle it instead bitation : there sold, and the money invested in our produce for extringe to England. The English therefore cotson the profits of a management ture, on the freight to be and America, on ten sale of the goods be routa America, or the freight from routh America to the United States, on the sale of those goods, and finally on the freight of tax American himself-tills carried to karope. For the encountry properties of any trade between two countries, it is essential tent each start produce what the other wants. Thus, we rake brea lathilk who have not grown on the Carry asm sea not as the . . . er is Peru or upper Chili, as I we also anarmilanteste guesta trepatrosa to ast pariti ef trout a dannersea, where they have few factories, there, soffer, good, Land rather, costas I other articles are produced, which we require. There, there-For jury the factors is resembly for a prospersors trace. Such a trade we formerly enjoyed with Seato American In 1859, and I walned. I'r ded States wese's entered the breast of Samon Afreed, or more that twice he have as those of all other numbers combined; now only two ser costs of the slopping entering that nurbor belongs to ex. Our war easie, from electric took the place of wooden earling at a, we reject a district in fig. rubber, rour i America levied a dity on eur mamifact res, other compresses antennessed times of steamers, while we set and not subsales; and mar trade with South America main which off, he Pringlets were correct, even or an fiverest than in American shape. and the trade of South America passed from the Linted States. to keg and, termany and Fran-

It is said that we cannot remain the trace, because we cannot without protection maintain our own number threat match less consists with the Europeans in an open market; and therefore that it will be a waste of money to substitue our vessels. But the arger the market the cleaner we can manufacture, and we can

worth while to make the experiment at least, to give our resecutive so no subsidy and protection that has but home given to the timety to regain the trace with South America. At first the collection that the trace with South America, that our fathers exactated, and that we have all and is other directions, we to spuit an ally succeed.

the Sone i American status recognisents and advite our bread statis and manufactures free. If it is schome can be carried out a large at 1 properties a moreover wal by estal ashed serves will be estal ashed serves will be estal ashed serves will or statistical frequency and American Leaves will or started in the large estas to dispute of purious factures and see place produces to South American, by this is the tunings, our

products, our increant is party freight for its vessels, and our hankers at the recknots a profitor is borness in the large cities of South America.

100

We have already referred to the several ratheach which start from the uta ports in the Pacific court and can up the vadego toward the Andes. Three of these, scrope the court remarks or could be the world, second to a greater exception than any others, and to a breght which to harope at the United States, would be above the star where. They were intended to reach the spiral and other masses he would be Andes and Cortiforns.

The first, ended the throws or the trail regions!, All ender of engin, starts from the announced by Parolle, and provide the Anches,

An her and the Cords crass. It is expected that the road will be extended to the invigable waters of it e Amazon.

Three hundred rates southward, the second rose runs from Motenta, Pera, by Amajoras to Pario on Lake Titanen, non-trement word on the parent 407 miles to San Roses, on the rotate to tures. The road from Malendo to Amajora runs through a constry to destitute of water tout the only many y for

^{4.} Not trees March with a left.

. 1

Registroped

Seven or eight handred makes soo, it of Mollowio, it fine must from V 0, parago in Ch. a to Discoon Agree, 877 m beg. It economics has Andrea torough a tunner two index long, at on a evacion of 13,868 feet above the sea; after leaving the monotones it can

over three feet above or below the pain, and was adouble com-

the mountains west of that only to different parts of Brasil. One of these this west knowly to many the house

a road from La Pag th comment on the west with the Percent rome at Lake T terms, and on the cost with the Brasilian at an order the Pagete, and I are tenately a road wall run from Mohen to it to At actic occur by Lake Tit can and La Pagete II a de Janouro

There are too from at a to 7000 nm es of rome in operation es he Armentine lie prife, some re nom in Brain, and Some to four rules as the other states, narrang a tend of about 15,000 a ger of malenal in operation.

he Pare A serious radions, from the Lumboust seasons track day to the Argentine Report to to economic with the Persystem, with the Janes, and and a needy with the Legendine report.

The ric to that seems to be next tension stars at Cartagean where there is a special and a lay and surface, which there care some is a tradecest, not here has been Now York. It has east to via eye of the Magdalena river some has to Develot, 1700 errors on the control of the Magdalena, the rante crosses the castern thord harman at an attention of moral fatour feel to the read waters of the Cartage at a particular of the America, and the net rain drown that river 175 is less that of the Cartage and the net rain drown that river 175 is less that the Cartage and the net rain drown that river 175 is less than the Cartage and the net rain passes through harman. From I put is the receiving formers are rained passes through harman. From I put is the receiving formers a tributation of the America. From I put is the receiving formers to Magdalena and the Deayer, one of its semifacent tributaries, 5 or trace to Magdalena, then cother controls the moral tributaries, 5 or trace to Magdalena, then cother controls the magnalena

and the minerous valleys of the America about 400 miles, in Santa Crun in the rem, or 2000 miles from Carbigona; while a branch will run up the America, a Careo.

This roul would bit for 2000 today mong he footh lis of the

region in the world; here gold, editor, compar, lead and conmines are found. The gold so is less mines to not seem to have

metals have been extracted from 1 and. These manes are generally in cold and breeless regions, where each later and food are difficult to obtain; where freezots are both and machinery

the opening and working of these names, and not only in the then profitable but done up a large non-large reserve traffic.

that, of Bohrm is shown the invitor as waters of the Armonand that it of the presenters are more land-lacked and names, wolded I from some times and with the correspondent I. Also proposed read would cross many branches of the Armon, and to is connect with fifty theness. I make of navigable waters, at a cost time of wheth are above I actor; and it is chapted the the basic see from 20 ton a less of now gable waters would true by this route a nearest out of the 1 m is and America than by

There is every parenty of climate on the roote. The while of the Magdinian is so term, every afternoon the water grows topic, and the strain that a straing not, in the some rays. In crossing the Cords were the every the every of the Amaron, the are one. The root then resemble is at a training of the Amaron, the subtract rich are, in a maneral by ingering thought a bas the lamps of, change of a training of many, and then expenses through the materials district, which is a generally high, here by an error

The example, under a week government of come do of one; it and an immerced population and giving about last a profit to each a tailmost; but it as now that if does, excepting one in eye of the navigable rivers, and is immediately decreased, and an immediate, there is these are not a uncertain.

The concemp the Maghacou may be exponenced a warm of the chart, be too that encount. The read in the mountain district wal necessarily become a, and also so the versus, because it must

tog labor and materia for construction. Mr. Orton, who operad from one brane a of the Napo to an discre, as

"We arrosed the strugge and the intervening tiders, and their name as ughna manustruss we were extending to an potential vertical decent, then descepting into a deep lark parameter indicate handsom, or of the on the low-ands the path see sed cost to be dense handsom, or of the in name opened a passage with their renchests, is I we crept under the own are price of the rage."

Even if the calmad were built, almost all the produce of the An in the produce of the water to Para than by rad to Cartagona; while goods from haghard and Am rich would be carried cheaper by steamer to the latinus of Parama, and thence to all parts on the Pacific Ambar to the technique of the Ambar to the Pacific and Ambar to the radius of the Ambar to the results and the results are such than the results are results and the results are results and the results are results and the results and the results are results as a results are results as a result and results are results as a results are results.

t is Andre to the valuey of the Amazon, and then a second time perove the Anges to the lass fis occasi. The greater part of the bose see to us a from the minor we ad he by the autrosis.

At present, as there exists not be sufficient because to pay the operatory expenses of ever a read, it is est to you government appearance to build and execute it.

those who have given the most consideration to the subject only that the road need to be an expensive ine to specific, and in an important element of time it would have a great norming over the roads on Pars. As a means of promoting the scatterness of the country and developing commerce, which can near the without pupe attent that is broad would seem to be a more for manight in has best or opened the norm ty nor brought a agreent and we cany fairly resume that it will not eath or to the future

In moneamon I was quote to or two writers on troppen America, isnekle says

"Annoted the possip and specified of nature, he prace to left for man, be is red and to include feature by the majority with which is ne transferred. The forces that oppose are so forced in the has never been able to make head around then.

The attention of talture have compared als spirit, neathers also is the contrast so possible between the presence of the external world and

steiningle. I have been till a me for home under

of the second particles are not been been provided, where vegether a special company a modern was recorded to the indicate the profession of the profession of the property limit to the profession of the profess

Mr Butes, the autoralist, after a resolutes of many years on the Ameron, closes has book as fallows;

The superiorary of the blank merta to tropical regions is only in its contail aspects, for I hold to the opinion that a through humanity can

ency of nature in high is in her, it is not be equator as no tout the perfect race of the future will aroun to complete fruition of man a complete fruition of man a

Il amengene, January, 1991









